

Tylö SuperSport 2/4, 7, and 8 with Built in Control Panel

“Instuction Manual for Sauna Heater”

This simplified instruction manual is targeted for Tylö installations in the US and Canada. This instruction is unit specific – It deals only with the model you have selected. It also provides some alternative views to those of Tylö. You may also consult the full instruction manual packed with your Tylö heater.

NOTE: Boxed Comments offer alternate information based on our own experience.

TYLÖ HEATER SPECIFICATIONS

MODEL	VOLTS/ / PHASE	KW Output	AMPS/ /BREAKER	WIRE	MININIMUM / MAXIMUM CUBIC FEET	
SuperSport 2/4	240/1	2.2	9.2 / 20	14	53	120
SuperSport 2/4	240/1	4.5	18.3 / 30	10	105	210
SuperSport 7	240/1	7.0	30.0 / 40	8	140	320
SuperSport 8	240/1	8.3	35.0 / 40	8	175	440

240 volt, 1 phase is standard for houses in North America.

(There are a few exceptions; i.e. New York City)

Heaters can be wired 208 volt, single phase. This decreases the output. (208/1 is found in some industrial & condo applications.

Minimum ceiling height = 74"

Installing the sauna heater.

Connect using wire rated at 90°C. When the heater has been installed, a set screw (Figure 1) locks it in place on the supporting brackets. This prevents the heater from being removed from the wall.

Check the heater's type identification plate to ensure that the heater is connected to the right voltage

There is no neutral wire required for 240 volt single-phase wiring.

Just two “hots” and a ground.

Use a 2-pole breaker rated for the specified amperage.

Do NOT use a GFCI breaker.

All work should be done by a licensed electrician.

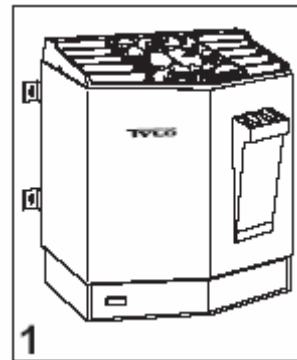


FIGURE 1

Figure 23: Shows most common installation for SuperSport 2/4 – 240 volt, 4.6 kW.

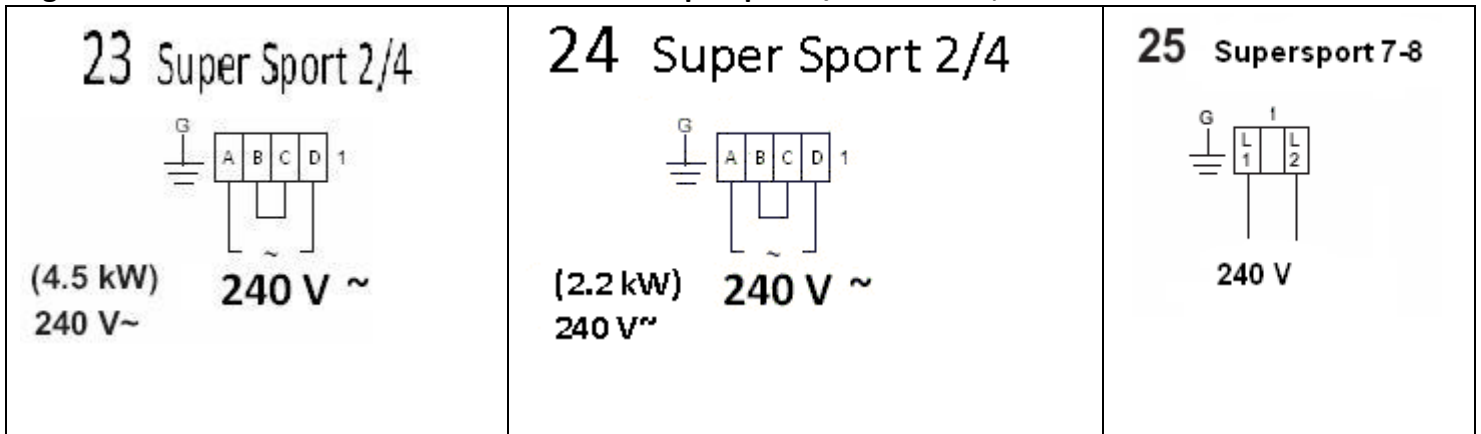


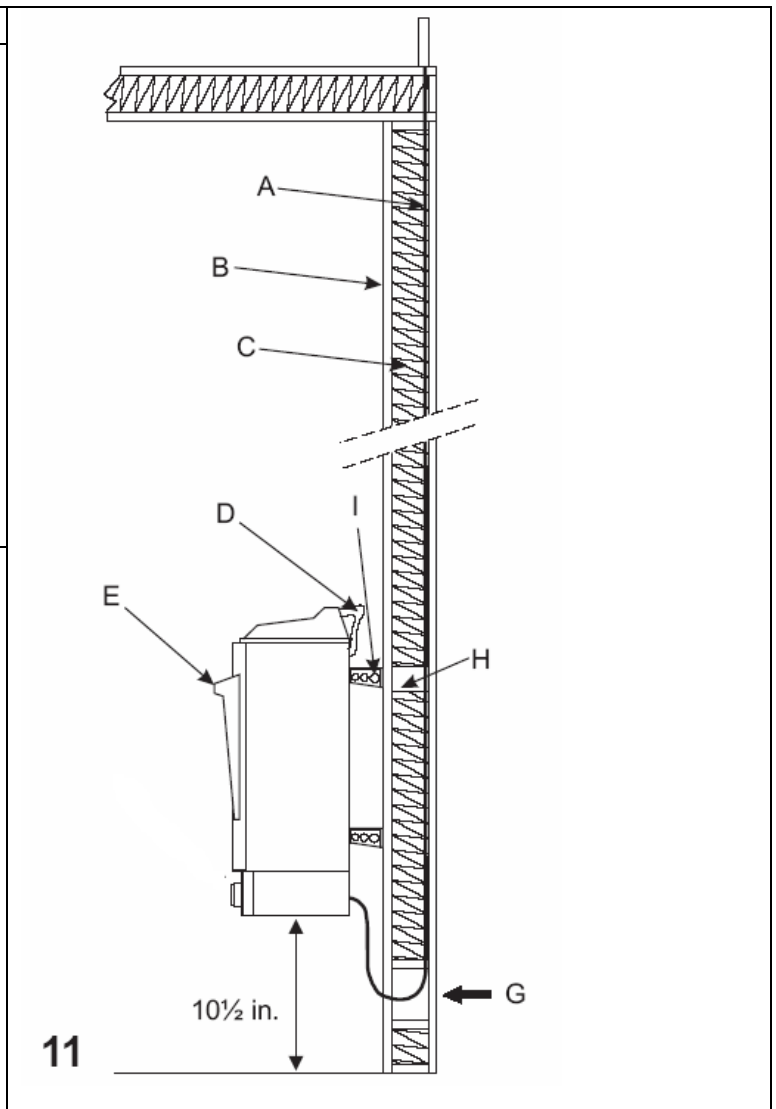
Fig. 11 – SuperSport

- A = electric conduit
- B = cedar panel
- C = insulation
- D = built-in sensor
- E = built-in control panel (SuperSport)
- F = Not Applicable
- G = vent if applicable
- H = wood blocking
- I = set screw
- H = mounting height: 2/4 & 7 kW = 25" O.C.
8.3 kW = 26 3/4" O.C.

NOTE:

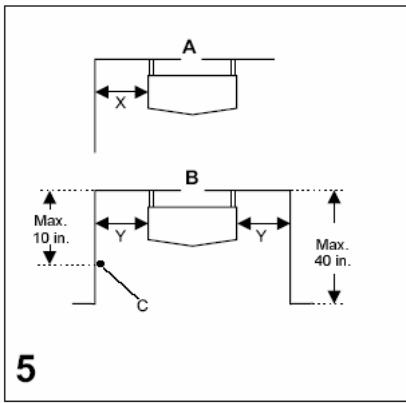
Ventilation can be achieved in two ways. One, as noted by Tylö is to have cross ventilation - inlet low, behind the heater and outlet high in the opposite corner (See Tylö manual Figures 14 and 15).

Another option is to undercut the door. In many saunas it is difficult and unnecessary to install cross ventilation. We undercut all doors.



Sauna Volume and Minimum Installation Distances

Output KW	Sauna Volume Min./max. Cubic Ft.	Min. Distance from side wall (in.)	
		**Normal installation "X"	Normal Installation "Y"
2.2 - 4.5	105 - 210	4	8
7	140 - 320	4	8
8.3	175 - 440	4	8



**** NOTE:**

While Tylö recommends 4" from the heater to the wall, this can be intrusive in certain sauna layouts and with smaller saunas. In our experience a 3" gap is sufficient and does not affect the heater operation.

Heater guard (Fig. 17)

The stones and the top of the sauna heater get very hot! In order to reduce the risk of accidental contact, Tylö always recommend that a heater guard be fixed as shown in the sketches.

NOTE: Because of the thermal-safe cool touch outer shell, Tylö heaters do not "require" a heater guard like other heaters do. However, because the rock tray and rocks are hot, Tylö does still recommend a heater guard for all Commercial installations.

A = min. 4" (2.2 – 8.3 kW)
min. 8" (10.7 – 16)

B = min. 8" (2.2 – 8.3 kW)
min. 16" (10.7 – 16)

Alt A

Alt B

17



FIRST TIME USE:

BEFORE YOU ENJOY YOUR FIRST SAUNA BATH, HEAT THE SAUNA ROOM TO THE MAXIMUM THERMOSTATE SETTING AND LEAVE IT TO RUN FOR ABOUT 1 HOUR. THE ELEMENTS MAY SMOKE FOR THE FIRST 20 MINUTES AS THEY "BURN

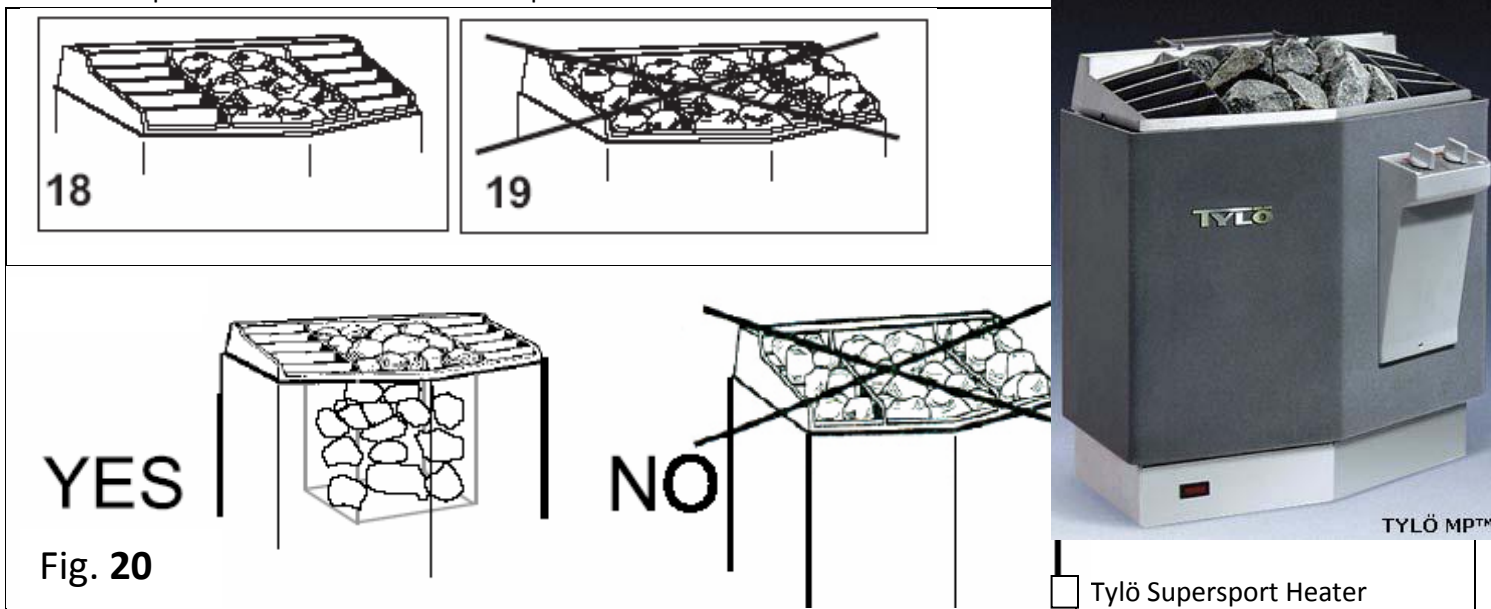
OFF" RESIDUE FROM THE MANUFACTURING PROCESS. ONCE THE BURN-IN IS COMPLETE, YOU WILL BE READY TO START ENJOYING YOUR SAUNA.

Filling the rock compartment (Fig. 18 and 19)

To properly install the sauna rocks in the heater, first wash them to remove any dust or dirt.

Tylö sauna heaters are designed with a vertical rock chamber that allows the sauna rocks to be in direct contact with the heating elements (SEE FIG. 20). Remove the center grille (not needed) and place the stones down in the center chamber only. Do not press or pack rocks into place. Allow them to stack naturally and to settle around the heating elements. Never block the left or right side chambers. Continue stacking the sauna rocks in the center section until they form a small pile above the location of the removable grill.

Packing the rocks around the elements too tightly can restrict airflow and causes the heater's high limits to trip and shut off. Never place a wet towel or cloth on top of the Heater!



The grill top with handle is not needed once the rocks are in place. You may discard this.

Built-in humidifier (Fig. 21)

The humidifier is the "trough" in the back part of the rock tray of all Tylö heaters (up to 8.3 kw).

You may fill the built-in humidifier with water before turning on the sauna, and you will have a pleasantly humid sauna right from the start, which accelerates and stimulates perspiration. You can also add a few drops of sauna aroma therapy to the water in the humidifier. You may also add it to the water bucket and ladle it over the rocks.

Sprinkling water on the stones

It should always be done with the ladle, never with a hose or bucket. Note: The stones must be hot. A few ladle fulls at a time will be sufficient.

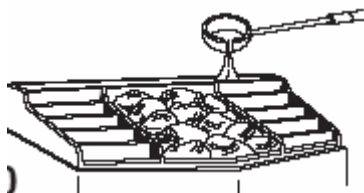


FIG. 21

Check the stone compartment at least once a year.

This is especially important for public saunas and saunas in frequent use. Remove all stones from the compartment. Clean any small stones, grit, gravel and chalky deposits from the bottom of the stone compartment. Use only stones which are whole and intact, replacing them when necessary with new ones.

Temperature limit control

Tylö sauna heaters have a temperature limit control built into the heater. This is activated automatically if there is any risk of overheating. More often than not, the cut-off is triggered because of incorrect sauna ventilation or incorrectly placed rocks. If the temperature limit control trips repeatedly, call for assistance.

SAUNA OPERATION

You can enjoy traditional dry and wet saunas with all Tylö heaters.

Dry and wet saunas are bathing forms whose history is shrouded in the mists of time.

These hot baths are best enjoyed at temperatures between 160-190°F.

In **dry saunas**, where the stones are not sprinkled with water, the relative humidity (RH) is as low as 5–10%.

In **wet saunas**, when water is ladled on the hot stones from time to time, the relative humidity rises steeply to 10–35%, and you can feel how the quivering waves of heat massage their way into your skin. A few drops of aroma therapy fragrance added to the water poured over the stones give a pleasantly invigorating sensation, clearing sinus cavities and helping you breathe more easily. A great way to round off any sauna is to experience the pleasant tingling sensation when you pour a little extra water over the stones. Wet saunas are considered by most people to be the traditional way to enjoy a sauna, and they are the most popular too.

Note on Unique Tylö Feature:

Tylö saunas have staged elements. Initially all heating element are on to heat up sauna. Then, the elements go off in stages and re-engage as necessary. This is designed to maintain an overall higher and more even temperature and avoid the temperature swings of other heaters that only cycle between fully on and off. This makes the Tylö heaters the most efficient in the Sauna Industry.

Important: Use ordinary drinking water. Salt-water, swimming pool or spa water will damage the heating elements. Never hose down the heater. Devices that provide continuous water sprinkling are not permissible.

HOW TO GET THE MOST OUT OF YOUR SAUNA

- Take a towel in with you to sit on. Stay inside the sauna only as long as it feels pleasant. Go out now and then to cool off and freshen up with a quick cool shower.
- Show consideration for other bathers. Don't set the temperature higher than is pleasant for all those using the sauna.
- Young children love saunas. Let them splash about in a tub of water on the floor or the lower benches where it is somewhat cooler. But remember to keep an eye on them at all times.
- Round off your sauna with a long, cool shower.
- Never get dressed right after your sauna. This will only cause you to perspire.
- Relax, treat yourself to a cold drink and enjoy a sensation of true well-being. Don't get dressed until your body has cooled down and your pores have closed once again.

The full instruction manual provided by Tylö and packed with your Tylö heater contains additional information about your sauna. You may also consult that manual before installing and using your sauna.